



Features

- Frequency Range: 0.5~0.7GHz
- Low Noise: 1.0dB(Typical)
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

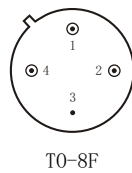
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	GHz	0.5~0.7	—
Gain	G _p	dB	≥25.0	27.0
Gain Flatness	ΔG _p	dB	≤±1.25Δ	±1.0
Noise Figure	F _n	dB	≤1.2 Δ	1.0
Input VSWR	VSWR _i	—	≤2.5:1 Δ	2.0:1
Output VSWR	VSWR _o	—	≤2.5:1 Δ	1.8:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥3.0 * Δ	8.0
DC Current	I _{CC}	mA	75	55

“*”f = 700MHz; “Δ” T_A = 24 ± 1°C;

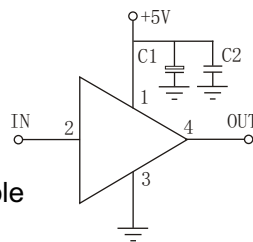
Maximum Rating

- DC Voltage : +6VDC
- RF Input: +10dBm
- Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 10~33 μF ; C₂ = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-2) available
4. ESD observe handling precautions



Typical Curves

